

**What is claimed is:**

1 A data distribution system comprising:

a mobile information table for storing reference

5 required time periods which are references of

required time periods required when a radio terminal

moves to a destination that is a place of a

destination of movement from departure places which

are origins of the movement, respectively, and that

10 is a place where utilization of information

distributed in advance is conducted by means of the

radio terminal, in accordance with mobile means which

is used for movement;

movement specifying means for specifying departure places

15 and destinations stored in this mobile information

table in accordance with a movement schedule together

with starting date and hour of the movement and the

mobile means;

error calculating means for calculating an error in time

20 for date and hour which is a reference when the radio

terminal arrives at the respective destinations,

based on information specified by this movement

specifying means;

data distribution plan information generating means for

25 obtaining date and hour when the radio terminal

arrives at a destination from the respective  
departure places using the mobile means specified by  
said movement specifying means by correcting an error  
calculated by the error calculating means from the  
5 date and hour in case of using the reference required  
time periods, as date and hour when it arrives at the  
destination most quickly within a range of the error;  
arrival time point detecting means for comparing arrival  
date and hour corrected for each destination, which  
10 is generated by this data distribution plan  
information generating means, with current date and  
hour, and detecting a time point when said radio  
terminal arrives at the respective destinations;  
distribution data storing means for storing a data to be  
15 distributed to said radio terminal for every  
destination; and  
distribution data distributing means for distributing a  
distribution data corresponding to a destination from  
the distribution data storing means every time said  
20 arrival time point detecting means detects arrival of  
said radio terminal at the respective destinations.

2 A data distribution system recited in claim 1, the data  
distribution system further comprises;  
25 an error table for representing a standard error of

dispersion in time of arrival from a departure place  
to a destination in accordance with the mobile means,  
and

a coefficient table for storing variation coefficients of  
an error in date and hour at departure; and

wherein said error calculating means calculates an error  
by multiplying a corresponding error described in the  
error table by the variation coefficients of an error in  
date and hour at departure.

3 A data distribution system recited in claim 2, wherein  
said variation coefficients of an error in said date and  
hour are different from each other dependent upon a day.

4 A data distribution system recited in claim 1, said  
data distribution system further comprises an  
overwrite means for overwriting the distribution data  
distributed when the said radio terminal arrived at a  
previous destination by the distribution data  
distributed when the above-mentioned radio terminal  
arrived at the new destination.

5 A data distribution system recited in claim 1, wherein  
said mobile information table is suitably updated by  
means of the newest information.

6 A data distribution system comprising:

based on longitude and latitude representing a typical  
position in destinations that are places where  
5 utilization of information distributed in advance is  
conducted by means of a radio terminal, and areas of  
those destinations, a longitude and latitude table  
for contrasting errors between said typical position  
and other positions in the destinations and storing  
10 them;

destination specifying means for specifying destinations  
stored in this longitude and latitude table;

longitude and latitude measuring means for measuring  
longitude and latitude at respective time points  
15 during movement of said radio terminal;

arrival time point detecting means for detecting a time  
point when a position measured by the longitude and  
latitude measuring means arrives within a range of  
said errors centering around said typical position of  
20 a corresponding destination stored in said longitude  
and latitude table, when said radio terminal moves to  
a destination specified by said destination  
specifying means;

distribution data storing means for storing a data to be  
25 distributed to said radio terminal for every

destination; and

distribution data distributing means for distributing a  
distribution data corresponding to a destination from  
the distribution data storing means every time said  
arrival time point detecting means detects arrival of  
said radio terminal at the respective destinations.

7 A data distribution system recited in claim 6, said  
data distribution system further comprises an  
overwrite means for overwriting the distribution data  
distributed when the said radio terminal arrived at a  
previous destination by the distribution data  
distributed when the above-mentioned radio terminal  
arrived at the new destination.

8 A data distribution system comprising:  
a mobile information table for storing reference required  
time periods which are references of required time  
periods required when a radio terminal moves to a  
destination that is a place of a destination of  
movement from departure places which are origins of  
the movement, respectively, and that is a place where  
utilization of information distributed in advance is  
conducted by means of the radio terminal, in  
accordance with mobile means which is used for

movement;

movement specifying means for specifying departure places  
and destinations stored in this mobile information  
table in accordance with a movement schedule together  
5 with starting date and hour of the movement and the  
mobile means;

longitude and latitude measuring means for measuring  
longitude and latitude at respective time points  
during movement of said radio terminal;

10 error calculating means for successively calculating an  
error in time for date and hour which is a reference  
when the radio terminal arrives at a destination by  
comparing measurement values of this longitude and  
latitude measuring means with each other;

15 data distribution plan information generating means for  
obtaining date and hour when the radio terminal  
arrives at a destination from the respective  
departure places using the mobile means specified by  
said movement specifying means by correcting an error  
20 calculated by the error calculating means from the  
date and hour in case of using the reference required  
time periods, as date and hour when it arrives at the  
destination most quickly within a range of the error;

arrival time point detecting means for comparing arrival  
25 date and hour corrected for each destination, which

is generated by this data distribution plan  
information generating means, with current date and  
hour, and detecting a time point when said radio  
terminal arrives at the respective destinations;

5 distribution data storing means for storing a data to be  
distributed to said radio terminal for every  
destination; and

10 distribution data distributing means for distributing a  
distribution data corresponding to a destination from  
the distribution data storing means every time said  
arrival time point detecting means detects arrival of  
said radio terminal at the respective destinations.

9 A data distribution system recited in claim 8, said  
15 data distribution system further comprises an  
overwrite means for overwriting the distribution data  
distributed when the said radio terminal arrived at a  
previous destination by the distribution data  
distributed when the above-mentioned radio terminal  
20 arrived at the new destination.

10 A data distribution system recited in claim 8, wherein  
said mobile information table is suitably updated by  
means of the newest information.

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